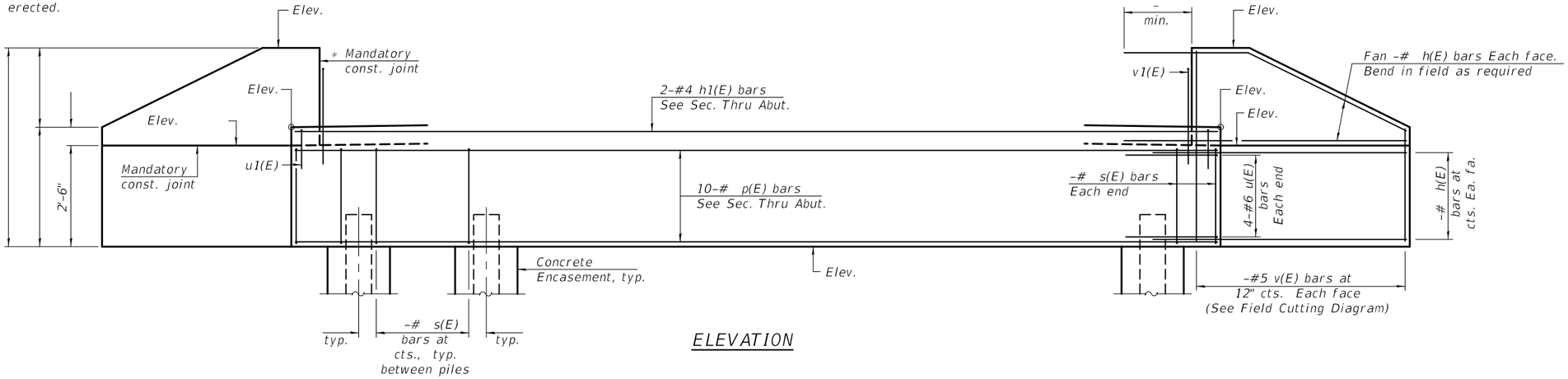
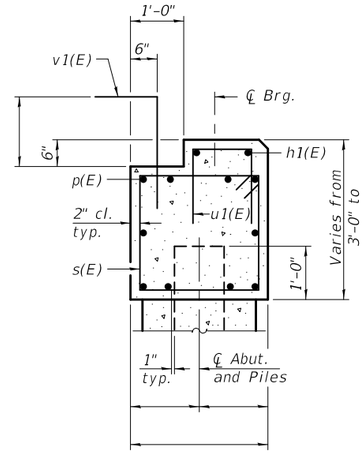
CELL / MODEL NAME	DESCRIPTION	DATE
AD-11-0	Abutments for 11 inch deck beams	2/17/2017
AD-11-L	Abutments for 11 inch deck beams	2/17/2017
AD-11-R	Abutments for 11 inch deck beams	2/17/2017
AD-1721-0	Abutments for 17" or 21" deck beams	2/17/2017
AD-1721-L	Abutments for 17" or 21" deck beams	2/17/2017
AD-1721-R	Abutments for 17" or 21" deck beams	2/17/2017
AD-2742-0	Abutments for 27", 33", or 42" deck beams, no skew	2/17/2017
AD-2742-L	Abutments for 27", 33", or 42" deck beams, left skew	2/17/2017
AD-2742-R	Abutments for 27", 33", or 42" deck beams, ahead right skew	2/17/2017

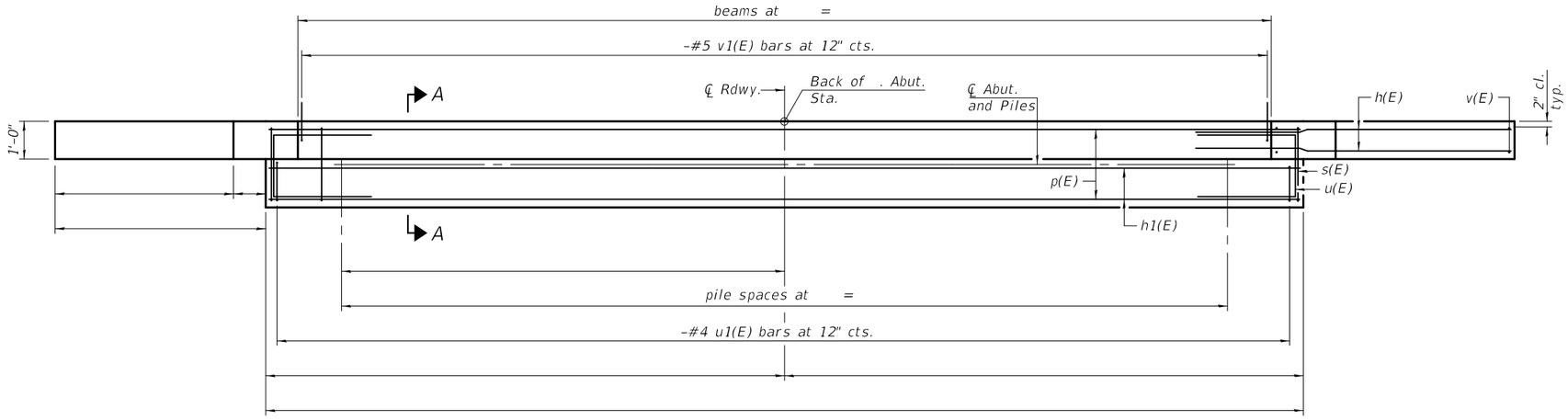
* Cast top of wingwall flush with exterior beam face after beams have been erected.



ELEVATION



SECTION A-A



PLAN

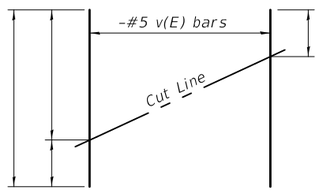
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#		
h1(E)	2	#4		
p(E)	10	#		
s(E)		#		
u(E)	8	#6		
u1(E)		#4		
v(E)		#5		
v1(E)		#5		
Structure Excavation		Cu. Yd.		
Concrete Structures		Cu. Yd.		
Reinforcement Bars, Epoxy Coated		Pound		
Furnishing - Piles,		Foot		
Driving Piles		Foot		
Test Pile,		Each		
Concrete Encasement		Cu. Yd.		

For details of piles and Concrete Encasement, see sheet - of -.

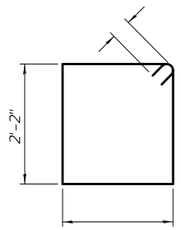
PILE DATA

Type:
Nominal Required Bearing:
Factored Resistance Available:
Est. Length:
No. Production Piles:
No. Test Piles:

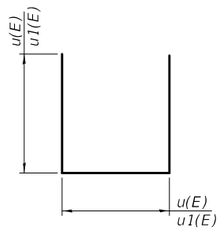


FIELD CUTTING DIAGRAM

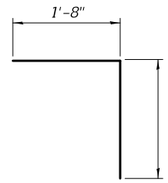
Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s(E)



BARS u(E) & u1(E)



BAR v1(E)

AD-11-0 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

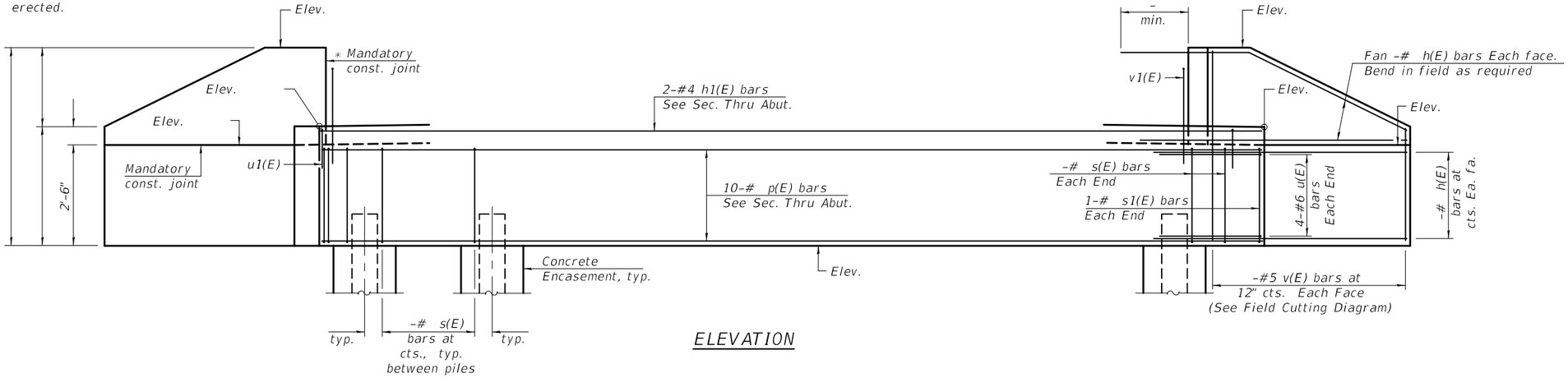
ABUTMENTS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

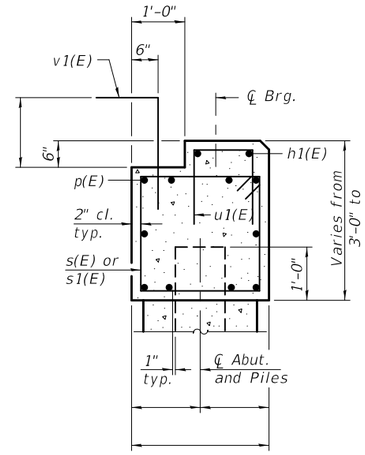
CONTRACT NO.

ILLINOIS FED. AID PROJECT

* Cast top of wingwall flush with exterior beam face after beams have been erected.

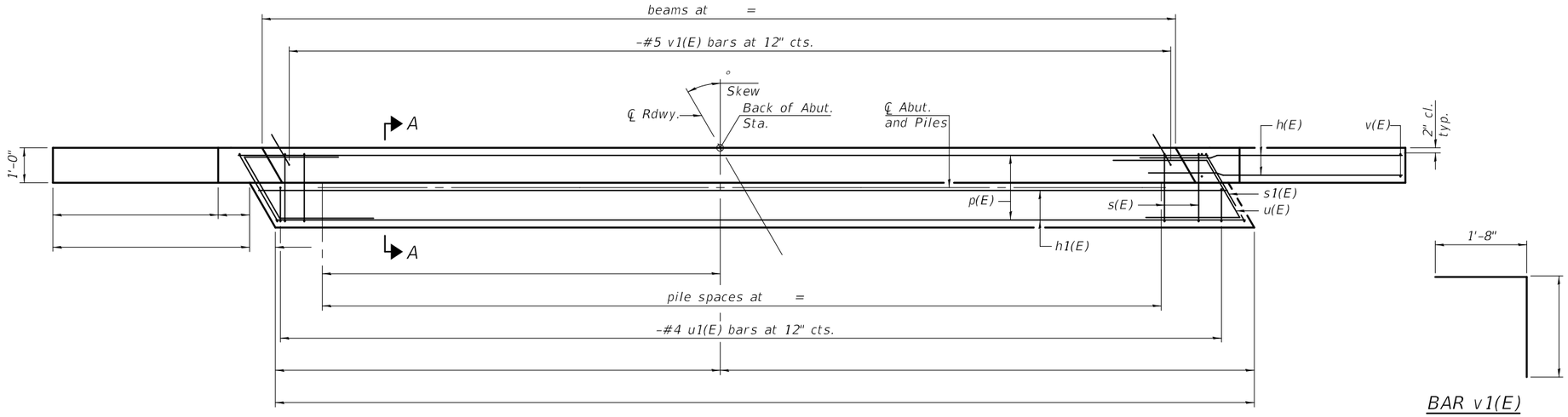


ELEVATION



SECTION A-A

(Dimensions are at Rt. ∠'s)



PLAN

BAR v1(E)

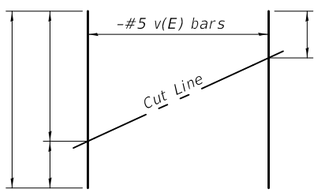
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#		
h1(E)	2	#4		
p(E)	10	#		
s(E)		#		
s1(E)		#		
u(E)	8	#6		
u1(E)		#4		
v(E)		#5		
v1(E)		#5		
Structure Excavation			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Furnishing - Piles,			Foot	
Driving Piles			Foot	
Test Pile,			Each	
Concrete Encasement			Cu. Yd.	

For details of piles and Concrete Encasement, see sheet - of -.

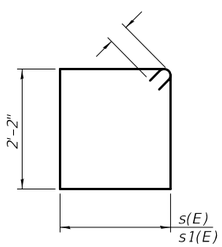
PILE DATA

Type:
Nominal Required Bearing:
Factored Resistance Available:
Est. Length:
No. Production Piles:
No. Test Piles:

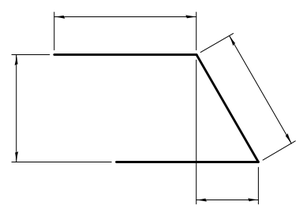


FIELD CUTTING DIAGRAM

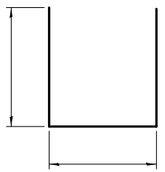
Order v(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s(E) & s1(E)



BAR u(E)



BAR u1(E)

AD-11-L 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

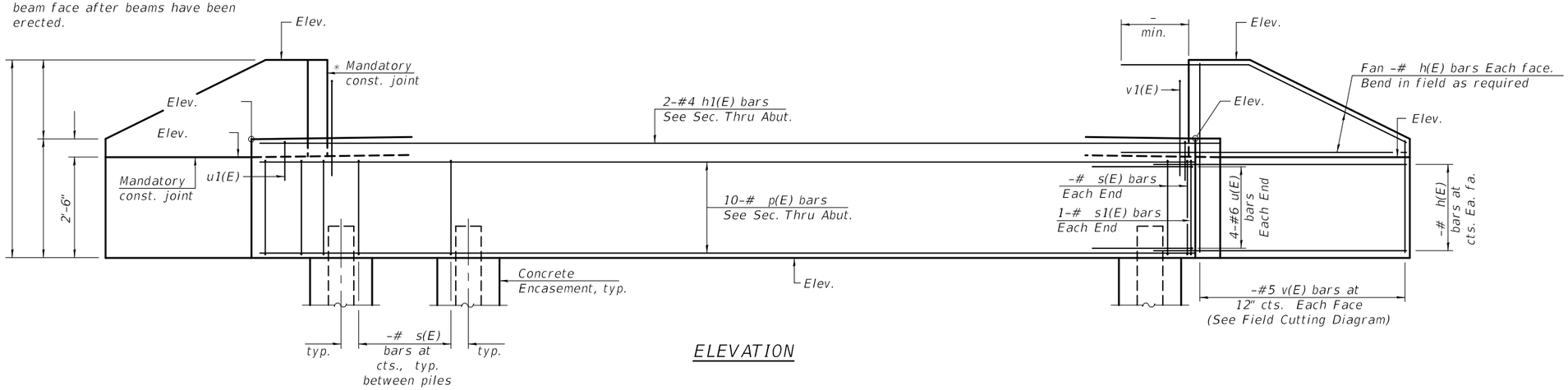
ABUTMENTS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

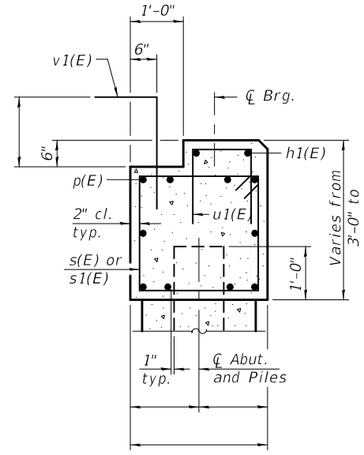
CONTRACT NO.

ILLINOIS FED. AID PROJECT

* Cast top of wingwall flush with exterior beam face after beams have been erected.

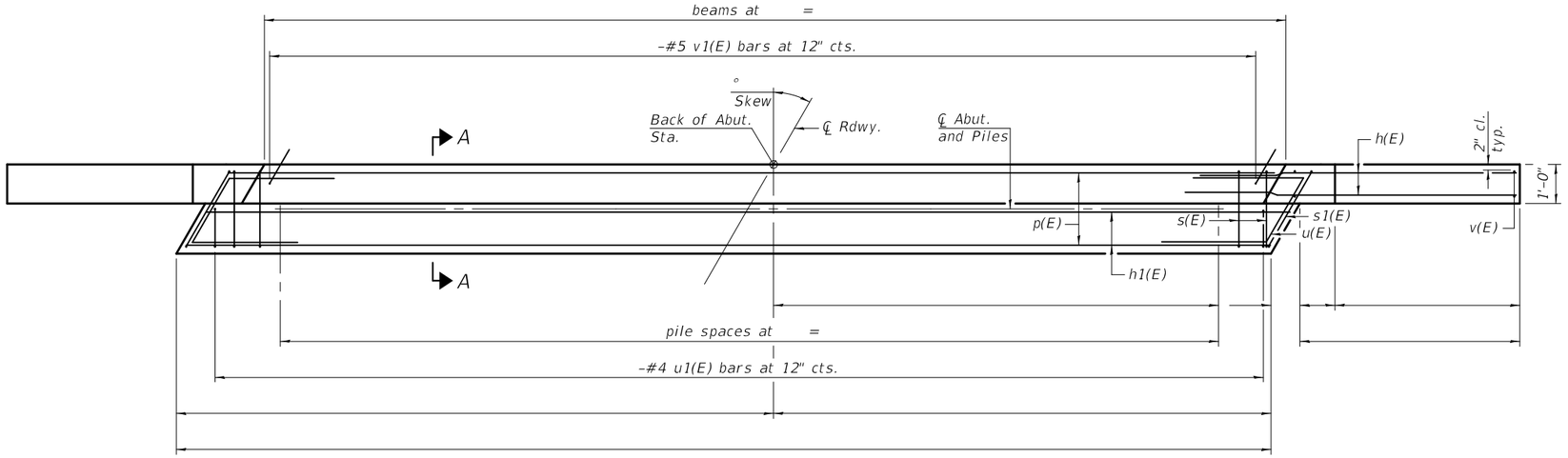


ELEVATION



SECTION A-A

(Dimensions are at Rt. Ahead Sta.)



PLAN

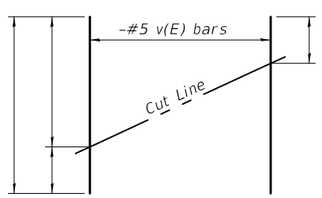
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#		
h1(E)	2	#4		
p(E)	10	#		
s(E)		#		
s1(E)		#		
u(E)	8	#6		
u1(E)		#4		
v(E)		#5		
v1(E)		#5		
Structure Excavation			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Furnishing - Piles,			Foot	
Driving Piles			Foot	
Test Pile,			Each	
Concrete Encasement			Cu. Yd.	

For details of piles and Concrete Encasement, see sheet - of -.

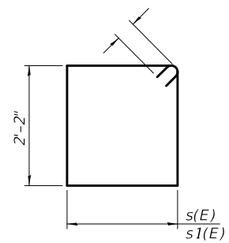
PILE DATA

Type:
Nominal Required Bearing:
Factored Resistance Available:
Est. Length:
No. Production Piles:
No. Test Piles:

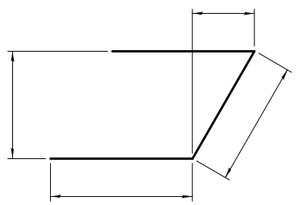


FIELD CUTTING DIAGRAM

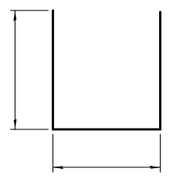
Order v(E) full length. Cut as shown and use remainder of bars in opposite face.



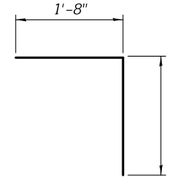
BARS s(E) & s1(E)



BAR u(E)



BAR u1(E)



BAR v1(E)

AD-11-R 2-17-2017

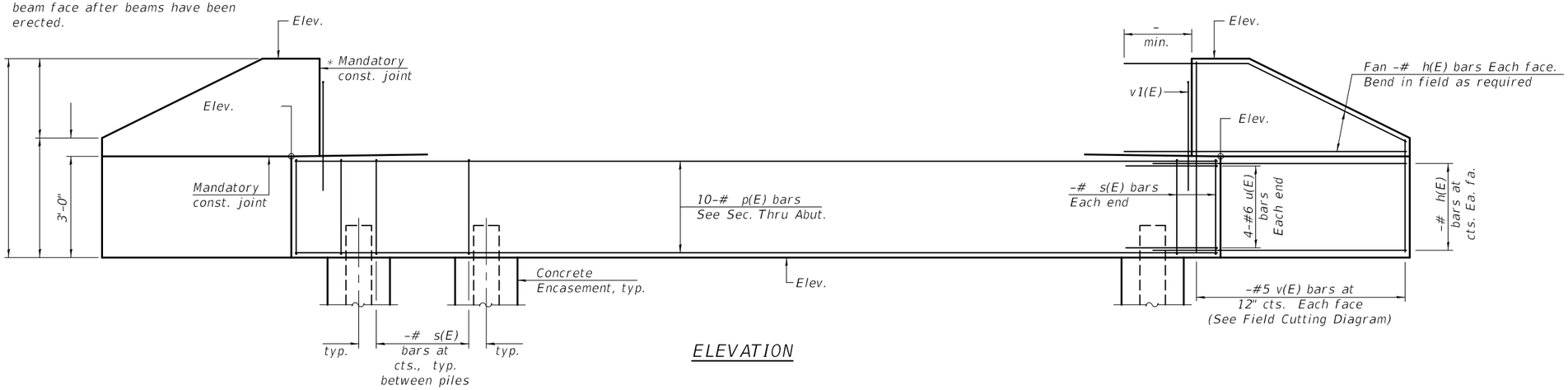
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

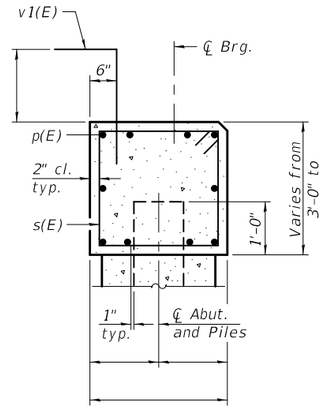
ABUTMENTS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

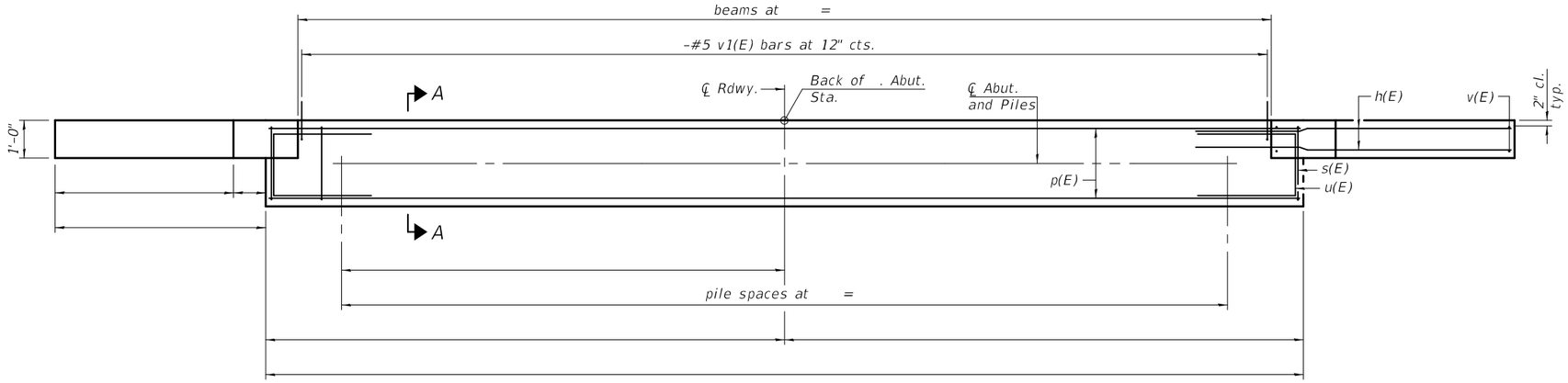
* Cast top of wingwall flush with exterior beam face after beams have been erected.



ELEVATION



SECTION A-A



PLAN

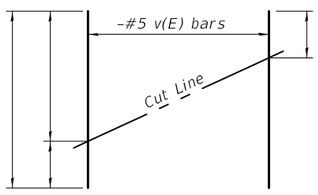
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#		
p(E)	10	#		
s(E)		#		
u(E)	8	#6		
v(E)		#5		
v1(E)		#5		
Structure Excavation			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Furnishing - Piles,			Foot	
Driving Piles			Foot	
Test Pile,			Each	
Concrete Encasement			Cu. Yd.	

For details of piles and Concrete Encasement, see sheet - of -.

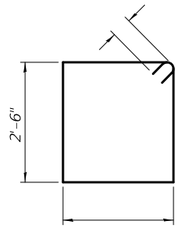
PILE DATA

Type:
Nominal Required Bearing:
Factored Resistance Available:
Est. Length:
No. Production Piles:
No. Test Piles:

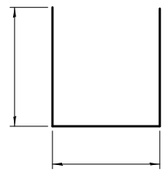


FIELD CUTTING DIAGRAM

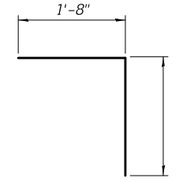
Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s(E)



BAR u(E)



BAR v1(E)

AD-1721-0 2-17-2017

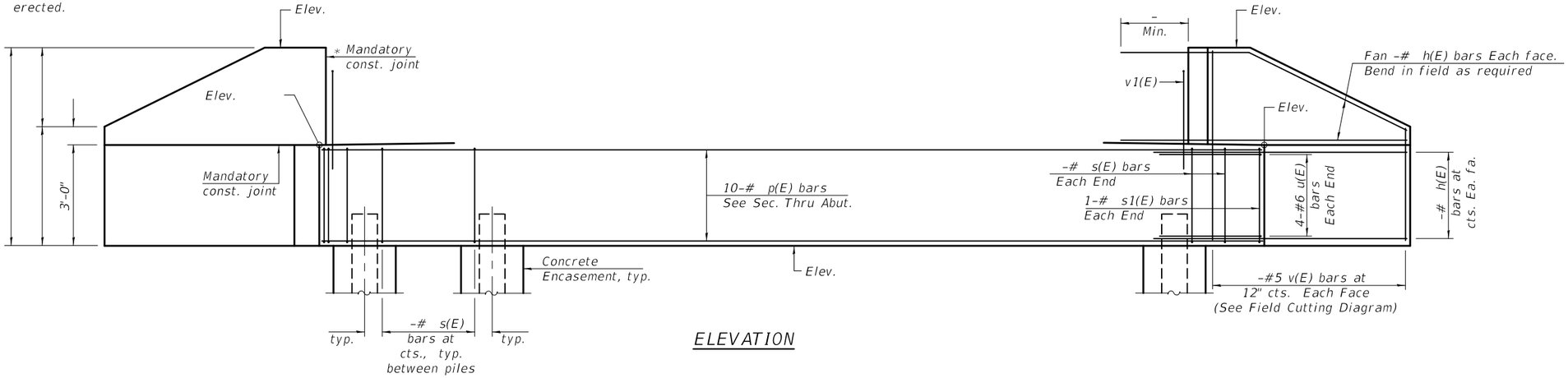
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

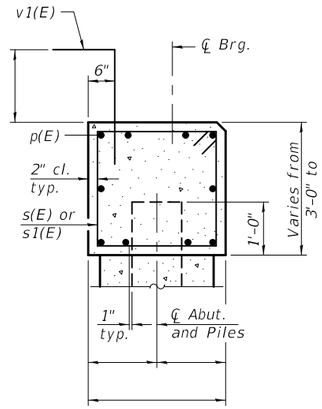
ABUTMENTS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

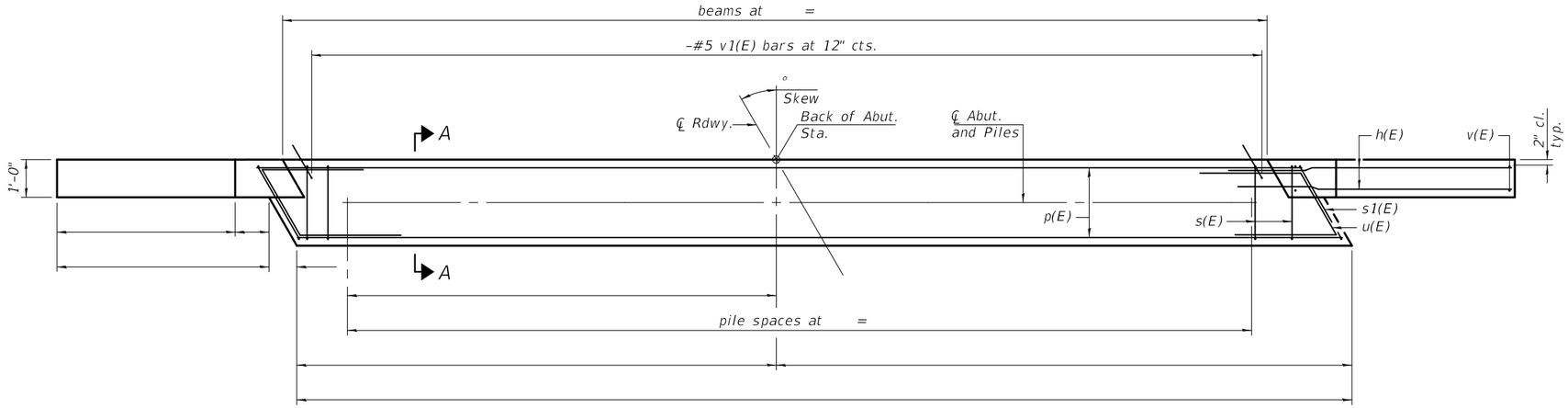
* Cast top of wingwall flush with exterior beam face after beams have been erected.



ELEVATION



SECTION A-A
(Dimensions are at Rt. L's)



PLAN

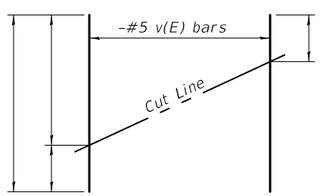
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#		
p(E)	10	#		
s(E)		#		
s1(E)		#		
u(E)	8	#6		
v(E)		#5		
v1(E)		#5		
Structure Excavation			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Furnishing - Piles,			Foot	
Driving Piles			Foot	
Test Pile,			Each	
Concrete Encasement			Cu. Yd.	

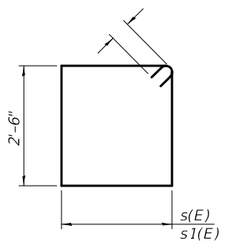
For details of piles and Concrete Encasement, see sheet - of -.

PILE DATA

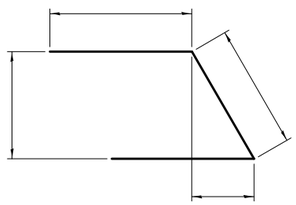
Type:
Nominal Required Bearing:
Factored Resistance Available:
Est. Length:
No. Production Piles:
No. Test Piles:



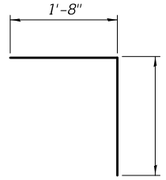
FIELD CUTTING DIAGRAM
Order v(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s(E) & s1(E)



BAR u(E)



BAR v1(E)

AD-1721-L 2-17-2017

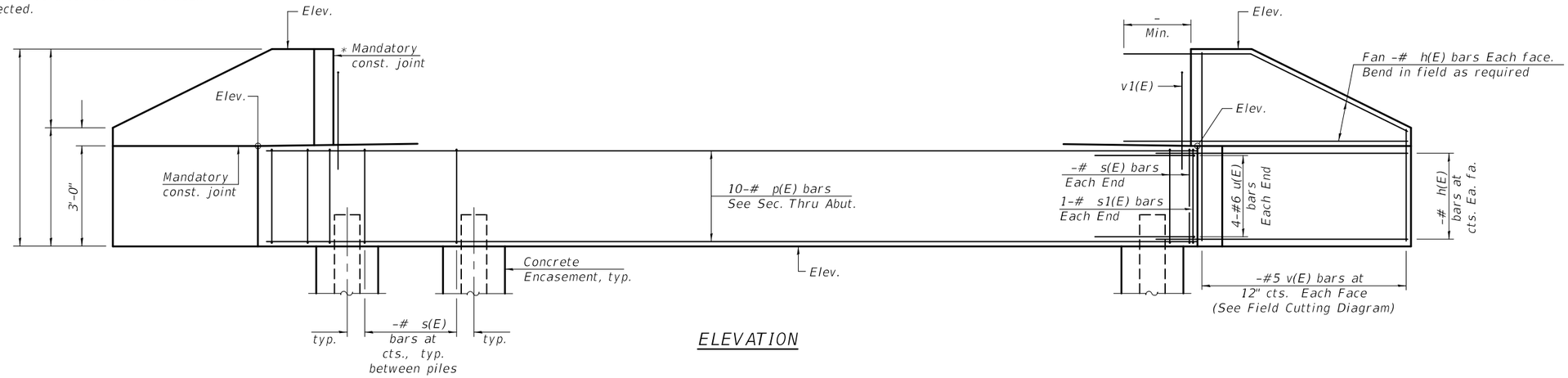
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

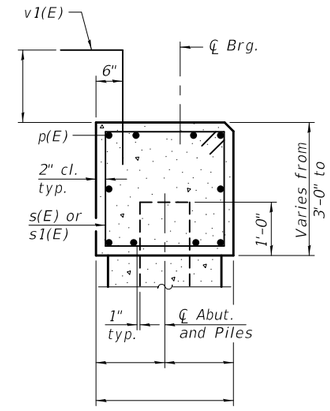
ABUTMENTS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

* Cast top of wingwall flush with exterior beam face after beams have been erected.

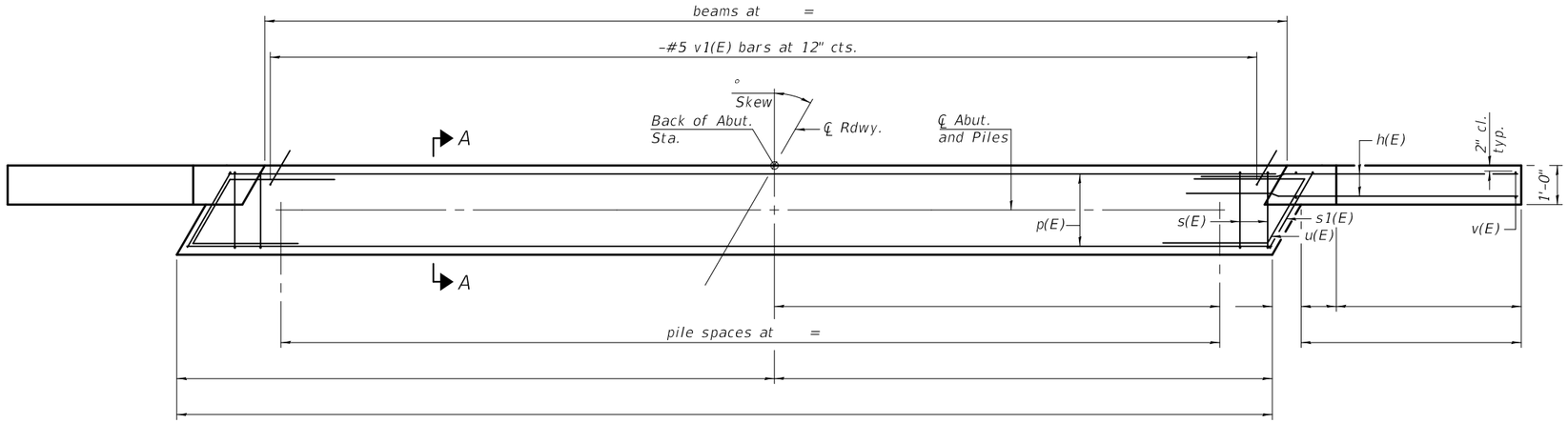


ELEVATION



SECTION A-A

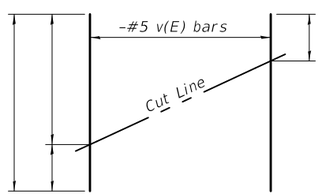
(Dimensions are at Rt. ℄'s)



PLAN

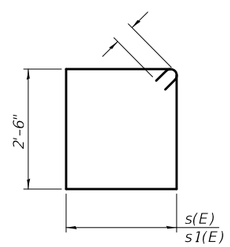
PILE DATA

Type:
Nominal Required Bearing:
Factored Resistance Available:
Est. Length:
No. Production Piles:
No. Test Piles:

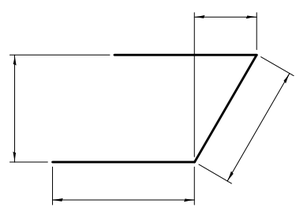


FIELD CUTTING DIAGRAM

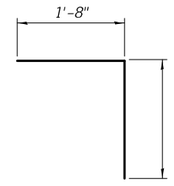
Order v(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s(E) & s1(E)



BAR u(E)



BAR v1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#		
p(E)	10	#		
s(E)		#		
s1(E)		#		
u(E)	8	#6		
v(E)		#5		
v1(E)		#5		
Structure Excavation			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Furnishing - Piles,			Foot	
Driving Piles			Foot	
Test Pile,			Each	
Concrete Encasement			Cu. Yd.	

For details of piles and Concrete Encasement, see sheet - of -.

AD-1721-R 2-17-2017

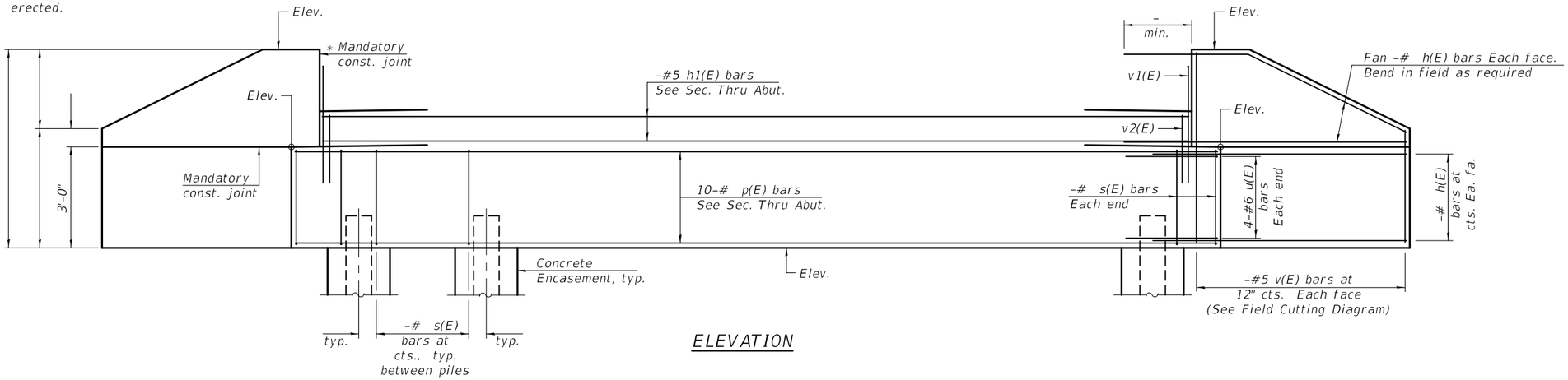
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

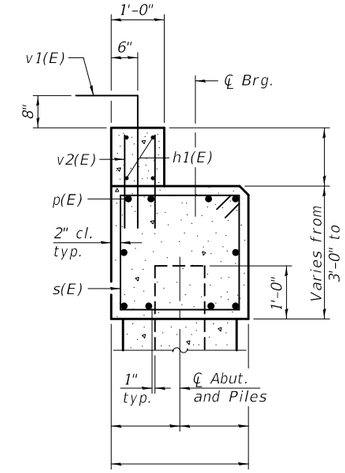
ABUTMENTS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

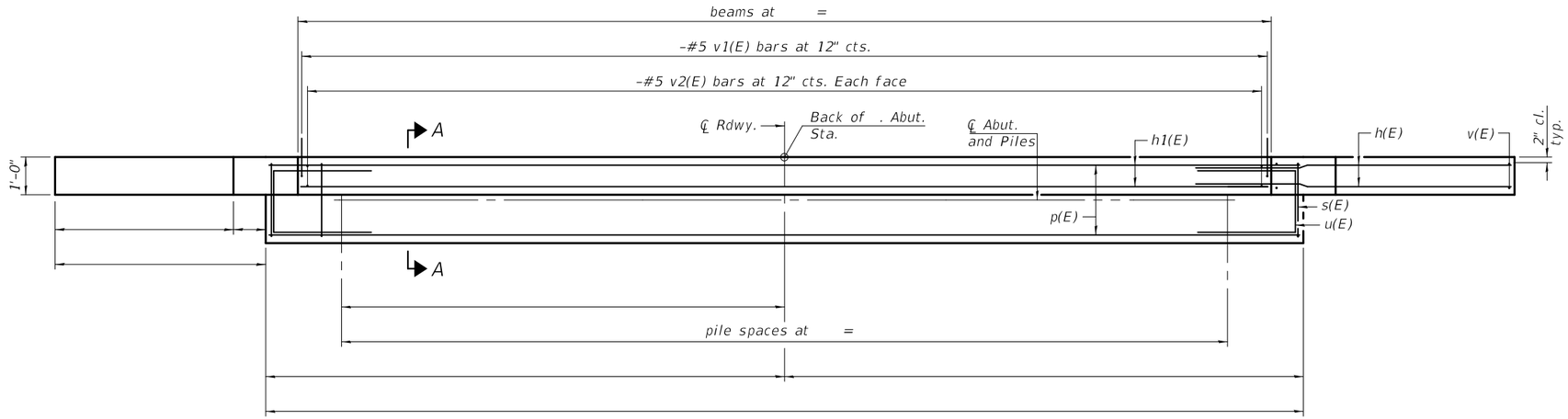
* Cast top of wingwall flush with exterior beam face after beams have been erected.



ELEVATION



SECTION A-A



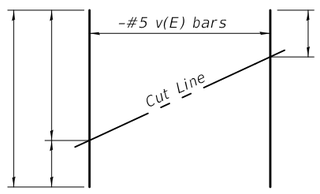
PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#		
h1(E)		#5		
p(E)	10	#		
s(E)		#		
u(E)	8	#6		
v(E)		#5		
v1(E)		#5		
v2(E)		#5		
Structure Excavation			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Furnishing - Piles,			Foot	
Driving Piles			Foot	
Test Pile,			Each	
Concrete Encasement			Cu. Yd.	

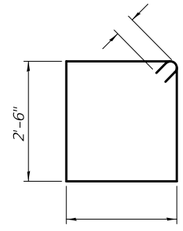
PILE DATA

Type:
Nominal Required Bearing:
Factored Resistance Available:
Est. Length:
No. Production Piles:
No. Test Piles:

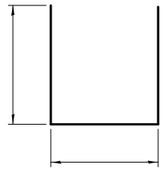


FIELD CUTTING DIAGRAM

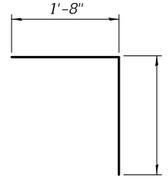
Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s(E)



BAR u(E)



BAR v1(E)

Notes:
For details of piles and Concrete Encasement, see sheet - of -.
Cast backwall after beams and concrete wearing surface, if applicable, have been erected.

AD-2742-0 2-17-2017

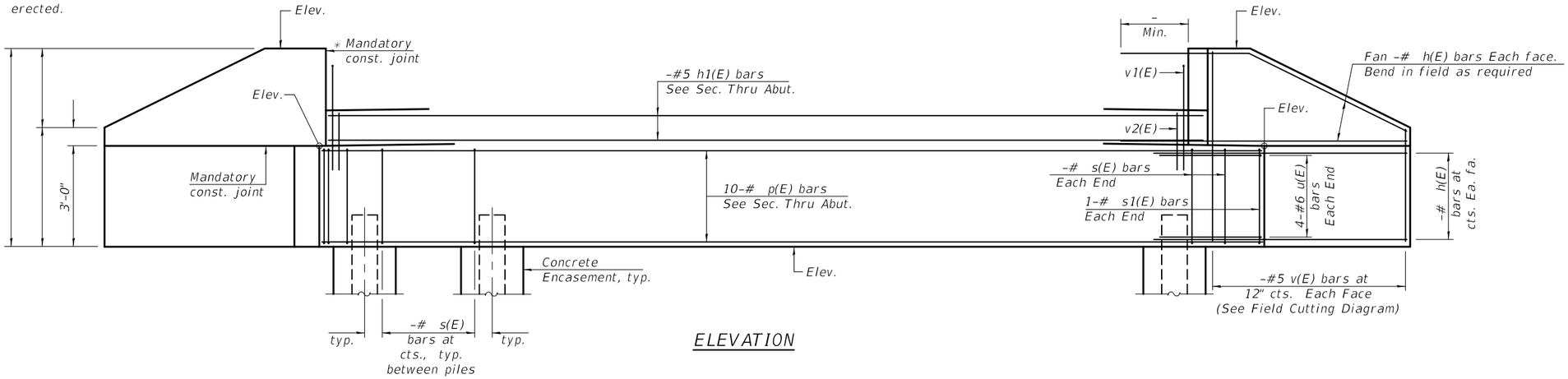
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

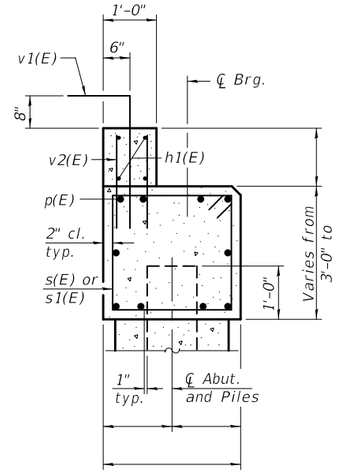
ABUTMENTS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

* Cast top of wingwall flush with exterior beam face after beams have been erected.

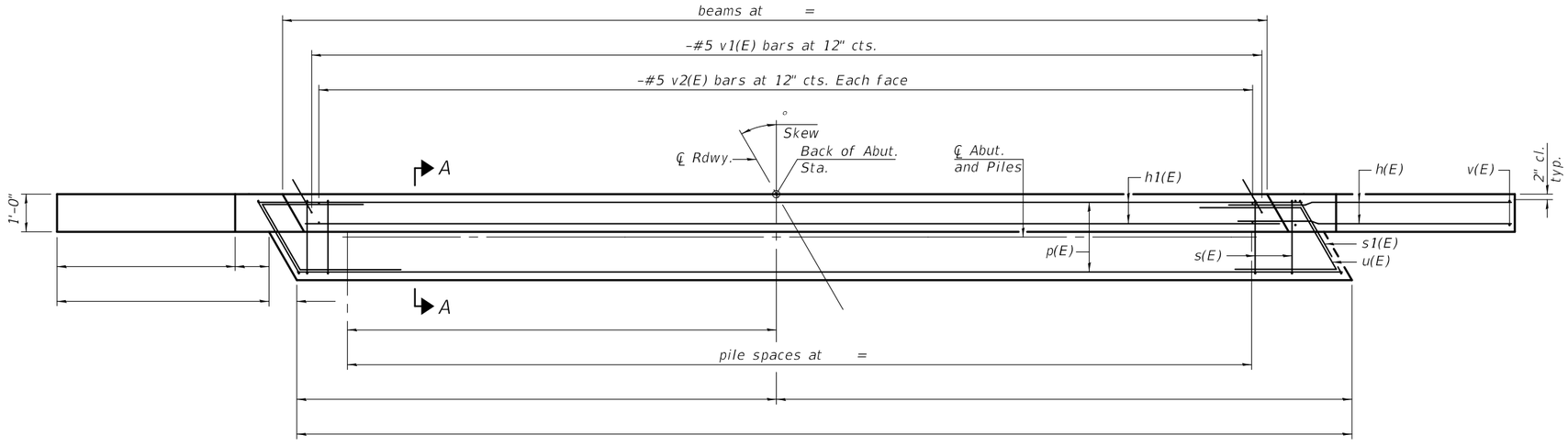


ELEVATION



SECTION A-A

(Dimensions are at Rt. ∠'s)



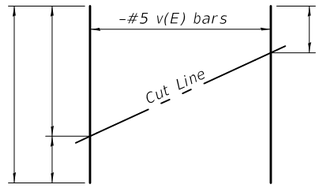
PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#		
h1(E)		#5		
p(E)	10	#		
s(E)		#		
s1(E)		#		
u(E)	8	#6		
v(E)		#5		
v1(E)		#5		
v2(E)		#5		
Structure Excavation			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Furnishing - Piles,			Foot	
Driving Piles			Foot	
Test Pile,			Each	
Concrete Encasement			Cu. Yd.	

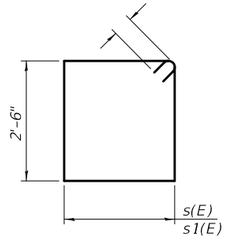
PILE DATA

Type:
Nominal Required Bearing:
Factored Resistance Available:
Est. Length:
No. Production Piles:
No. Test Piles:

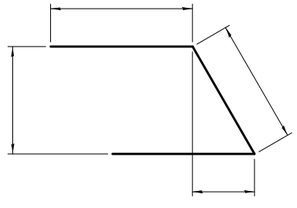


FIELD CUTTING DIAGRAM

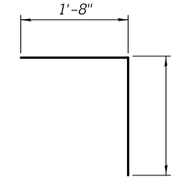
Order v(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s(E) & s1(E)



BAR u(E)



BAR v1(E)

Notes:
For details of piles and Concrete Encasement, see sheet - of -.
Cast backwall after beams and concrete wearing surface, if applicable, have been erected.

AD-2742-L 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

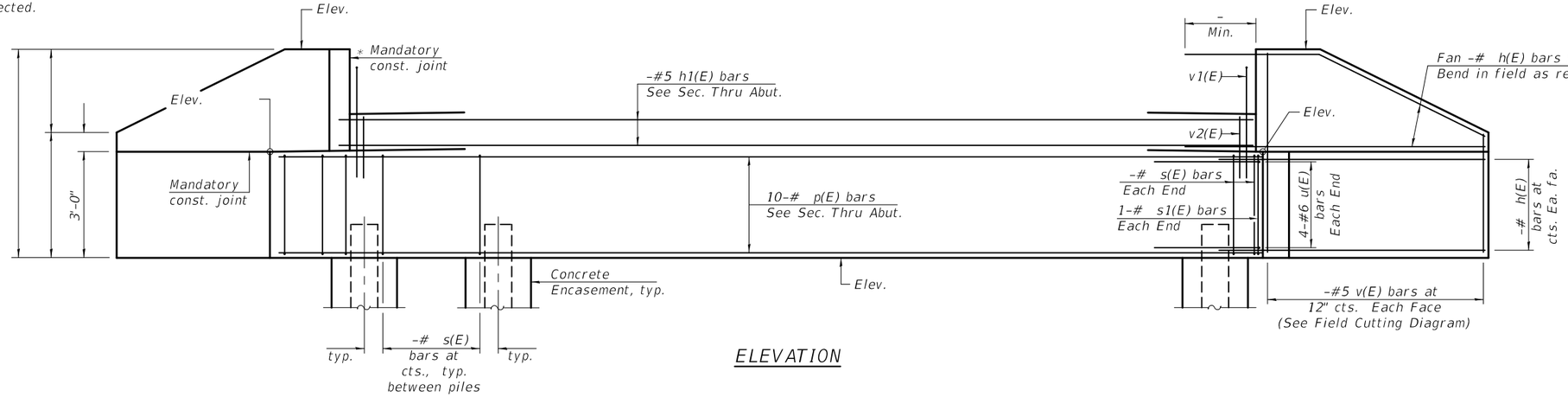
ABUTMENTS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

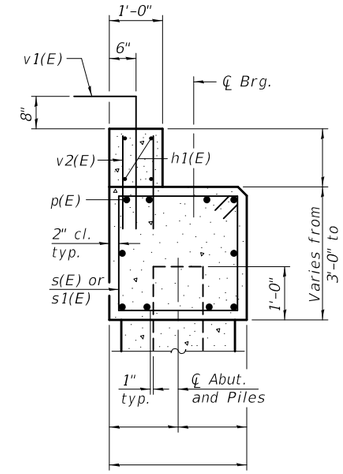
CONTRACT NO.

ILLINOIS | FED. AID PROJECT

* Cast top of wingwall flush with exterior beam face after beams have been erected.

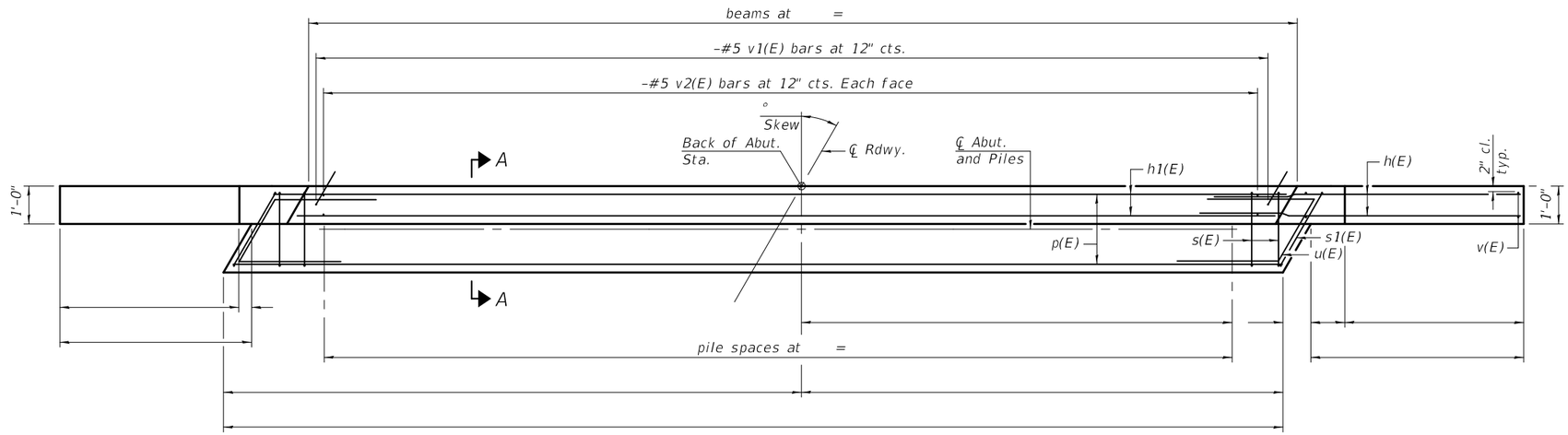


ELEVATION



SECTION A-A

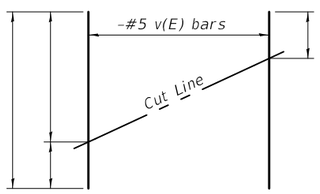
(Dimensions are at Rt. ∠'s)



PLAN

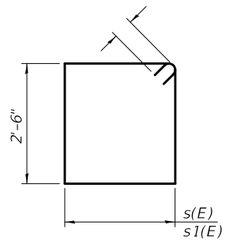
PILE DATA

Type:
Nominal Required Bearing:
Factored Resistance Available:
Est. Length:
No. Production Piles:
No. Test Piles:

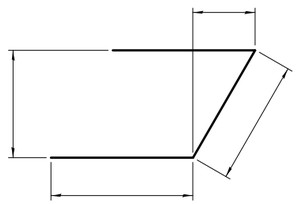


FIELD CUTTING DIAGRAM

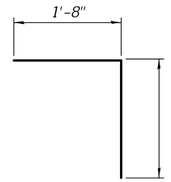
Order v(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s(E) & s1(E)



BAR u(E)



BAR v1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#		
h1(E)		#5		
p(E)	10	#		
s(E)		#		
s1(E)		#		
u(E)	8	#6		
v(E)		#5		
v1(E)		#5		
v2(E)		#5		
Structure Excavation			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	
Furnishing - Piles,			Foot	
Driving Piles			Foot	
Test Pile,			Each	
Concrete Encasement			Cu. Yd.	

Notes:
For details of piles and Concrete Encasement, see sheet - of -.
Cast backwall after beams and concrete wearing surface, if applicable, have been erected.

AD-2742-R 2-17-2017

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENTS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			